# Mountain Weather Forecast

## Yorkshire Dales National Park

Forecast valid from 06:00 on Thursday 31 Dec 2020 until 23:59 on Friday 01 Jan 2021

Forecast Issued on Thursday 31 Dec 2020 at 03:12

**Confidence:** High for the cold northerly flow at first, which veers to a milder showery easterly from Sunday, but confidence lowering for the detail of timings, intensity and snow levels on worst of the weather.

**Headline for Thursday 31 Dec 2020:** Freezing fog and wintry showers.

**Mountain weather hazards on Thursday 31 Dec 2020**

| | | |
|---|---|---|
| **Blizzards**<br>No Likelihood | **Heavy Snow**<br>No Likelihood | **Storm force winds**<br>No Likelihood |
| **Gales**<br>No Likelihood | **Severe chill effect**<br>No Likelihood | **Poor visibility**<br>High Likelihood |
| **Thunderstorms**<br>No Likelihood | **Heavy persistent rain**<br>No Likelihood | **Strong sunlight**<br>No Likelihood |

| **Weather and chance of precipitation at 600m** | | | | | |
|---|---|---|---|---|---|
| Time | | | | | |
| 06:00 | 09:00 | 12:00 | 15:00 | 18:00 | 21:00 |
| FOG | FOG | FOG | | | |
| Fog | Fog | Fog | Cloudy | Partly cloudy (night) | Partly cloudy (night) |
| Precipitation probability | | | | | |
| 30% | 30% | 20% | 20% | 10% | 10% |

**Forecast for Thursday 31 Dec 2020**

**Weather:** A cold start with freezing fog patches, reluctant to lift and possibly lasting into the afternoon. Snow showers are also expected at times, these generally light and confined to the west and northwest. Some drier, brighter conditions later. Further freezing fog patches developing during the evening.

**Chance of cloud free mountain/hill tops above 600m:** 10% during the morning as fog tends to linger. 20-30% during the afternoon otherwise, with bases around 150m.

**Visibility:** Poor or very poor initially, with neighbouring hills barely visible but slowly improving through the day.

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# Mountain Weather Forecast

**Forecast for Thursday 31 Dec 2020**

| Height (m) | Wind Speed mean/gusts (mph) Wind Direction (blowing from) | | | | | | |
|---|---|---|---|---|---|---|---|
| | 06:00 | 09:00 | 12:00 | 15:00 | 18:00 | 21:00 | 00:00 |
| **600** | 7/11 W | 5/7 W | 5/8 N | 6/9 N | 7/11 N | 9/14 N | 11/16 N |
| **300** | 1/7 W | 2/6 W | 6/9 N | 5/10 N | 6/11 N | 6/15 N | 7/15 N |
| **Valley** | 1/4 N | 1/3 NE | 2/5 NW | 1/4 N | 2/6 NE | 2/9 N | 3/10 N |

| Height (m) | Temperature / Feels Like (°C) | | | | | | |
|---|---|---|---|---|---|---|---|
| | 06:00 | 09:00 | 12:00 | 15:00 | 18:00 | 21:00 | 00:00 |
| **600** | -2/-6 | -2/-6 | -2/-6 | -2/-5 | -3/-6 | -2/-6 | -1/-6 |
| **300** | -2/-4 | -2/-4 | 0/-3 | -1/-3 | -2/-5 | -0/-4 | 0/-3 |
| **Valley** | -1/-2 | -1/-3 | 1/-1 | 0/-1 | -2/-3 | -0/-2 | 0/-1 |
| **Freezing Level*** | 100m | 100m | 200m | 100m | 100m | 300m | 500m |

**Level above which ground is expected to be frozen/snow is expected to settle.*

**Meteorologist's View**

Fog is likely to be thin in places, with summits being visible.

**Recent rainfall:** measured at Malham: altitude 375m

| Recorded at | Last 24 hours: | Last 48 hours: | Last 72 hours: |
|---|---|---|---|
| 03:00 on Thu 31 Dec 2020 | 0.2mm | 2.6mm | 6.4mm |

**Forecast for Friday 01 Jan 2021**

**Weather:** Sunshine and occasional shower with snow level around 500m. Outbreaks dying away from the west through the afternoon, with most dry with clear skies for the evening.

**Maximum wind:** North or Northwest initially 15-20mph with gusts 30mph, decreasing gradually from mid-day.

**Chance of cloud free mountain/hill tops above 600m:** 70% becoming 95% plus from late afternoon, with bases lowering to 450-650m sporadically as showers push through.

**Visibility:** Good or very good lowering to a handful of kilometres in the wintry showers.

**Temperature:** **Valleys:** Minus 6 Celsius rising Plus 03 Celsius during the afternoon
**At 600m:** Zero Celsius lowering minus 3 Celsius later
**Freezing level:** 600m lowering to near sea level later

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